that "surface relief means" on the exterior of the balloon, to provide channels when the balloon is inflated as recited in claim 41, is disclosed by Lubock's showing of a second balloon enclosing the first balloon.

Concerning claims 135 to 137, which are copied from Lubock's Serial No. 10/290,002, these claims in the current application were rejected under 35 U.S.C. 135(b)(2), but this section does not actually apply in the current situation. The Examiner states the current application failed to claim the subject matter of claims 135-137 prior to one year from the date on which 2004/0087827 (the '002 application) was published. However, the wording of the statute is otherwise. Section 122(b)(2) specifically applies its one year limitation only to "an application filed after the application is published." The current applicant's patent application was filed October 10, 2003, prior to publication of either of the Lubock applications in question. There is no one-year limitation for making claims 135-137 in the current application which was not filed after the Lubock application was published.

In the action the drawings were objected to as not showing "the vacuum source". Thus, an amended version of Figure 23 is now submitted, indicating an aspirator shown schematically as attachable to the drainage port 34. The aspirator, as supported below, is "a vacuum source".

Finally, and importantly, are the Examiner's arguments at pages 4 and 5 citing 35 U.S.C. §112, first paragraph, finding the applicant's Rule 131 declaration insufficient, and regarding the applicant's proper support for claiming a vacuum port, vacuum lumen, or application of vacuum. This boils down to the Examiner's statement on page 5 of the action,

"However the examiner's position is that suction does not equal vacuum. Suction is defined as a process of exerting a force by reason of reduced air pressure over part of its surface, while vacuum could include a space partially exhausted by artificial means but in its broadest reasonable interpretation a vacuum also includes a state of isolation. Therefore a vacuum is not equal to suction in that the device could merely be isolated from its surrounding area and not necessarily be providing any type of suction."

First, from the Examiner's brief comments regarding the applicant's Rule 131 declaration it is assumed the Examiner is referring to the suction/vacuum issue as the only insufficiency in the detailed Rule 131 declaration which has been submitted in this case. No other insufficiency is specifically stated. The Rule 131 declaration states more than sufficient <u>facts</u>, supported by data and exhibits and attested to by the inventors, as required by the statute and case law.

Second, at every instance where Lubock or the applicant uses the word "vacuum" or the word "suction", the meaning is the same. Lubock's use of the word "vacuum" is never referring to a perfect vacuum, nor is it ever referring to a "state of isolation", and

the pertinence of this latter expression is questionable.

Apparently the Examiner refers to a definition of vacuum in the context of something like "One cannot make such a decision in a vacuum", which is the word as sometimes used under the definition "a state of isolation". This has absolutely nothing to do with the current situation. The fact that the term can have some farafield definitions for other usages does not detract from its meaning as "suction" at every instance here.

Further, note claim 136, copied from the '002 application, claim 31. This claim, originating in the Lubock application, recites a vacuum conduit, and a vacuum port connected to the conduit and "configured to provide <u>suction</u>" adjacent to the balloon, etc. This certainly confirms that Lubock equates the term "vacuum" as used in his application to "suction". The fact that Lubock's claims 29, 31 and 32 were later cancelled is of no moment here; the wording of Lubock's claim 31 is cited to show Lubock used the terms interchangeably. See also Lubock's patent issued from the '002 application, Patent No. 6,923,754, having a disclosure identical to that of the '002 application. In the patent, col. 2, 1. 58 et seq. state

features of the invention may include a vacuum delivery element such as a sheath or a balloon configured to provide vacuum effective to apply suction to tissue adjacent the assembly's end devices. Vacuum delivery elements are preferably configured to apply suction to tissue adjacent a treatment delivery assemblies . . . Suction is effective to

draw surrounding tissue close to the surface of a treatment assembly, or to a **vacuum** delivery element . . .[emphasis added]

Throughout the patent the terms "suction" and "vacuum" are used completely interchangeability and with the same meaning. For example, compare col. 4, 1. 21 et seq. to col. 7, 1. 42 et seq. and col. 8, 1. 23 et seq. The col. 4 passage states

devices, systems and methods having features of the invention utilize **suction** to draw tissue against a device surface within a body cavity . . . [emphasis added]

The col. 7 passage states

The **vacuum** may be effective to draw adjacent tissue toward and into contact with a sheath 50 or an outer balloon 14 . . .[emphasis added]

The col. 8 passage states

Application of **suction** is effective to enhance contact with a device 12 . . . [emphasis added]

Additionally, please see the enclosed definitions for "aspirator", taken from Dictionary.com, especially the definition from Merriam-Webster's Medical Dictionary, 2002:

Aspirator: An apparatus for removing fluid from a body cavity, consisting usually of a hollow needle and a cannula, connected by tubing to a container in which a vacuum is created by a syringe or a suction pump.

This definition is attached as Attachment A.

See also the definition from <u>Webster's New Universal</u>

<u>Unabridged Dictionary, Simon & Schuster 1983 (Attachment B)</u>, as follows:

Aspirator: 1. in medicine, an apparatus using suction to remove a fluid or gas from a body cavity. 2. an instrument for creating a vacuum, or for passing a current of air through fluids, gases, etc.

This definition additionally confirms that "suction" and "vacuum" are used interchangeably, in cases where "vacuum" does not refer to a perfect vacuum but a partial vacuum. This is the case in every instance in the current application and the Lubock applications.

In view of the manner in which "vacuum" is used in the Lubock application, it is manifest that the applicant's drainage port, to which an aspirator is adapted (as stated in the claims and the specification), is certainly a vacuum port in the same sense as in Lubock. The aspirator applies the vacuum. Whether "suction" has exactly the same meaning as "vacuum" in every possible definition of either of the words is not at issue here. The issue is whether the uses of these words is essentially

equivalent, meaning essentially the same thing, in both cases.

The answer is yes. The uses are precisely the same, as shown in Lubock's disclosure.

Even further confirmation is found in the Examiner's comments at the bottom of page 2 of the action. The Examiner says while Lubock does "not specifically teach allowing liquids to drain via the channels [to which the current applicant applies an aspirator, drawing vacuum], the channels are connected to a vacuum source to provide a vacuum to conform the body cavity to the outer balloon. In providing a vacuum to conform the body cavity the device would inherently suction out any liquids that happen to be in the body cavity." This further proves the applicant's case, because the converse is obviously also true. In suctioning out any fluids that happen to be in the body cavity, as does the applicant, this inherently and by definition removes fluid matter between the balloon and the body cavity and therefore closes this space, necessarily conforming the body cavity to the balloon. The effects of fluid removal and closing the space go hand in hand, both achieved by applying suction (vacuum). Therefore the applicant performs the method of the copied claims.

It is noted that '002 application claims 29, 31 and 32 were cancelled prior to issuance of the Lubock patent, Patent No. 6,923,754. Thus, the applicant's claims 135 - 137 are no longer

directly interfering claims relative to this particular issued patent. They are, however, retained in the application and the applicant points out that these same three claims now appear as claims 29, 31 and 32 in SenoRx's pending application No. 11/155,789, (Pub. No. 2005/0240074), a full continuation of the '002 application. Thus the applicant's request for declaration of interference applies to those pending claims. Interference is specifically requested with respect to claims 29, 31 and 32 of Lubock application No. 11/155,789.

Favorable action is solicited.

Respectfully submitted,

Date: November 12, 2009

Thomas M.\Freiburger

Req. No. 27,063 P.O. Box 1026

Tiburon, California 94920 Telephone: (415) 435-0240

o Online Degree Info

O Speak to the world

Dictionary

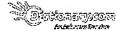
Thesaurus

(HEU) Translate

See P. 2

Better Vocabulary

G Spelling Coach



aspirating

aspiration

aspirational

aspirator aspiratory

aspire after

aspire to

aspired

aspire

aspiration biopsy

aspiration pneumo...

aspirator

Search

# vyers.com

Every Legal Issue. One Legal Source.

## aspirator - 5 dictionary results

Respiratory Protection 3M, Bullard, Survivair, North, MSA, Moldex, Allegro. Same day shipping.

AllSafetySupplies.com

Aspirators

Find Aspirators Online. Shop & Save at Target.com Today.

Aspirator

Bottomline Price w/ Tax & Shipping. Save on Aspirator! PriceGrabber.com

Sponsored Results

as-pi-ra-tor ◁) [as-puh-rey-ter] ? Show IPA

### -noun

- an apparatus or device employing suction.
- Hydraulics. a suction pump that operates by the pressure differential created by the high-speed flow of a fluid past an intake orifice.
- Medicine/Medical. an instrument for removing body fluids by suction.

### Origin:

1860-65; ASPIRATE + -OR 2

Dictionary.com Unabridged Based on the Random House Dictionary, © Random House, Inc. 2009. Cite This Source | Link To aspirator

Respiratory Protection
3M, Bullard, Survivair, North, MSA, Moldex, Allegro. Same day shipping.

AllSafetySupplies.com

### **Aspirators**

Find Aspirators Online. Shop & Save at Target.com Today.

www.Target.com

### as-pi-ra-tor4) (ās'po-rā'tər) 🔞

- A device for removing liquids or gases by suction, especially an instrument that uses suction to remove substances, such as mucus or serum, from a body cavity.
- 2. A suction pump used to create a partial vacuum.

The American Heritage® Dictionary of the English Language, Fourth Edition Copyright © 2009 Houghton Milfflin Company, Published by Houghton Milfflin Company. All rights reserved.

<u>Cite This Source</u>

As"pi\*ra`tor\, n. 1. (Chem.) An apparatus for passing air or gases through or over certain liquids or solids, or for exhausting a closed vessel, by means of suction.

2. (Med.) An instrument for the evacuation of the fluid contents of tumors or collections of blood.

Webster's Revised Unabridged Dictionary, € 1996, 1998 MICRA, Inc. Cite This Source

Language Translation for: aspirator

Spanish: aspiradoraaspiradora, German: der Sauger, Japanese:

More Translations »

Main Entry: as-pi-ra-tor Pronunciation: 'as-p&-"rAt-&r

Function: noun

: an apparatus for producing suction or moving orcollecting materials by suction; especially: a hollow tubular instrument connected with a partial vacuum and used to remove fluid or tissue or foreign bodies from the body

♥onage UNLIMITED GALLING IN THE US. . FREE SHIPPING AND ACTIVATION SOUNDS GOOD .

@ Has your credit changed this year? Check it \$0

Dictionary Thesaurus Reference

The answers are right on your browser and just a click away with Dictionary.com Toolbar.

Download for FREE >>



Merriam-Webster's Medical Dictionary, © 2002 Merriam-Webster, Inc. Cite This Source

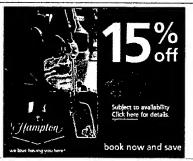
aspirator as·pi·ra·tor (ās'pə-rā'tər)

An apparatus for removing fluid from a body cavity, consisting usually of a hollow needle and a cannula, connected by tubing to a container in which a vacuum is created by a syringe or a suction

The American Heritage® Stedman's Medical Dictionary Copyright © 2002, 2001, 1995 by Houghton Mifflin Company. Published by Houghton Mifflin Company.

Cite This Source

Search another word or see aspirator on Thesaurus | Reference



<u>Aspirator</u>
Bottomline Price w/ Tax & Shipping. Save on **Aspirator!** PriceGrabber.com

Venturi vacuum pumps? Choose green technology KNF pumps use no oil or water www.knf.com

**Aspirator** 

Low Prices. 1000's of Choices. Save on Aspirator! BizRate.com

aspirator

Search

About  $\cdot$  Privacy Policy  $\cdot$  Terms of Use  $\cdot$  Advertise with Us  $\cdot$  Link to Us  $\cdot$  NASCAR®  $\cdot$  Contact Us Copyright © 2009, Dictionary.com, LLC. All rights reserved.

# aspiration

body cavity.

3. 2n instrument for creating a vacuum, or for passing a current of air through fluids, gases, etc.: much used in the chemical analysis of gases.

as pirated by, a. of or suited for breathing or

suction.

as pire', v.i.; aspired, pt., pp.; aspiring, ppr.

[MB. aspire; Fr. aspirer; L. aspirare, to breathe upon, to aspire to; Gr. aspairein, to pant for breath.

1. to exhale. [Rare.]

2. to desire with eagerness; to long or seek for advancement, honor, etc.: followed by to or after; as, to aspire to the presidency.

3. to rise; to ascend; as, the flames aspire. [Archaic.]

[Archaic.] Syn.—desire, aim, seek, long, rise, mount,

canal.
Asplē'ni·um, n. [Gr. asplēnion, the spleenwort, a fern; a, euphonic, and splēn, spleen.]
a large genus of ferns, the spleenworts, belonging to the order Polypodiacex. Among the best-known species are the Asplenium Rutomuraria, or wall rue, and the Asplenium Trichomanes, or maidenhair spleenwort.
aspor-tā'tion, n. [L. asportatio, a carrying away, ab, from, and portare, to carry.]
1 a carrying away.

away; ab, trom, and portare, to carry.]

1. a carrying away.

2. in law, the felonious removal of goods from the place where they were deposited.

a-sprawl', a. and adr. sprawling(ly).

a-squatt', a. and adv. with a squint; out of the corner of the eye.

ass, n. [ME. ass. asse; OFr. asne; AS. assa; L.

1. a quadruped, Equus asinus, of the same genus as the horse, but smaller. It has long ears and a short mane. The tame or domestic

ass is slow, but very sure-footed, and for this reason very useful on rough, steep ground:

also called donkey, burro.

2. a dull, stupid fellow; a dolt; a fool: from the fabled obstinancy and stupidity of the

to make an ass of oneself; to act or talk foolishly.

ass, n. arse: vulgar term. [Slang.] ass, n. [Scot.] sing. of ashes. as sa çù, as sa çòu, n. [Braz.] a euphorbia-ceous tree (Hura crepilans) of South America.

the bark and sap of which contain a poisonous

asinus, ass.

ing it.

suction.

TACHMENT R aspira tion, n. 1. (a) the pronunciation of a letter, etc. with an aspirate; (b) an aspirate. 2. a breathing or breathing in; a breath. 3. the act of aspiring or of ardently desiring; an ardent wish or desire, particularly for advancement, honor, etc. 4. the removal by suction of fluid or gas from a body cavity. Syn.—ambition. longing, craving, desire, hope, wish. as yirls tor, n. 1. in medicine, an apparatus using suction to remove a fluid or gas from a body cavity.

3. 2n instrument for creating a vacuum, or

phalt, a ance, a

ivel, for halting,

or con-

hudelos,



in the terized

ion of

hyxia;

ying a ica, a ies of

omato of blc

pis, a ber of dark lossy.

zenus ound ig or

gasnield, bido-

pido-

Spirting.

full

ords ). as

athlows

an

ok:

Archaudesire, aim. Social ascend, soar.

aspire', n. aspiration. [Obs.]
aspire'ment, n. aspiration. [Obs.]
aspire'ment, n. one who aspires.
aspir'en n. [G. from acetyl, and spirsaure, zalicylic acid; and -in.]

1. a white. crystalline powder, acetyl-salicylic acid. Caliola, used for reducing fever, relieving headaches, etc.

2. a tablet of this.

- sir'ing, a ambitious; animated with an armore importance, or excelohvxia. 2 a tablet of this.
2 a tablet of this.
3 pir'ing, a ambitious; animated with an ardent desire for power, importance, or excellence; as na aspiring citizen:
3 pir'ing ly, adv. in an aspiring manner.
3 pir'ing ness, m, the state of being aspiring.
3 splainth'nic, a. [Gr. a priv., and splanchna, bowels.] in zoology, lacking an alimentary p.; as-ite; to y were 

at as-

cules.

ound

e. to

the bark and sap of which contain a poisonous acrid principle.

as-sa-fet'i-da, as-sa-foet'i-da, n. asafetida.

as-sa-gai, as-sa-gai, n. [Fr. archegaie, from Ar. ar-zaghāyah, the spear.]

1. a kind of javelin or throwing spear, often with an iron tip, used by some South African bribas

2. in botany, a tree of the dogwood family, from which the South African natives make their spears.

as'sa gai, as'se gai, v.t. to pierce with an

assagai.
sassagai.
sassagai.
to, adv. (It. assai, very much; from L. ad.
to, and satis, enough.) in music, very; as in

adagio assai, very slow; allegro assai; very quick.

alca.

(as-si'), n. [native name.]

1. a nalm tree of Brazil, the Euterpe edulis.

2. a beverage made from the fruit of this

2. a Deverage made from the first.

cree.

c

criticism, appeals, entreaties, and the like, with a view to injure, bring into disrepute, or overcome mentally or morally.

3. to face or take up (a difficulty, task, etc.) with determination.

Syn.—encounter, assault, fall upon, invade, attack, storm.

88 Sate to ble, a. that can be assailed or attacked.

as said while, a. that can be assailed or attacked.
as sail'ant, n. [Fr. assaillant.] one who assails, attacks, or assaults.
as sail'en, n. assaulting; attacking; assailing.
as sail'er, n. one who assails.
as sail'ment, n. assault; attack.
as sainmar, n. [L. assus, roasted, from assare, to roast, and amarus, bitter.] the bitter substance formed during the process of roasting meat, oread, starch, sugar, and the like till they are browned: a former designation.
Assam.eac. a. of or pertaining to Assam. a

As-eam-ege', a. of or pertaining to Assam, a state of northeastern India, or to its inhabitants, language, etc.

As-eam-ege', n. 1. pl. As-eam-ege', a native or inhabitant of Assam.

2. the Indo-European, Indic language of

2. the Indo-European, Indic language of the Assamese.

1. \*\*a-pan', as-a-pan'ic, \*\*n. [native Am. Indian name.] the flying squirrel of the eastern United States.

1. \*\*a-sarter\*, from L. ex. out, and sarrire\*, to hoe.]

1. in old English law, a grubbing up of trees and bushes so as to make forest land srable.

2. a piece of land cleared in this way.

18. \*\*Bart', \*\*nl. to ornh un (trees and bushes) so as

2. a piece of land cleared in this way.

as sart', v.i. to grub up (trees and bushes) so as to make forest land arable.

as sas'sin, n. [Pr. assassin, from Ar. hashshā-shīn, hashish eaters, from hashish, hemp.]

1. [A-], a member of a secret hand of hashish-eating Moslems who killed Christian leaders during the Crusades.

2. a murderer who strikes suddenly and without warning: now generally used of the hired or delegated killer of some politically

hired or delegated killer of some points any important personage.

as-sas'sin, v.l. to assassinate. [Obs.]

as-sas'sin-âte, v.l.; assassinated, pl., pp.; assassinating, ppr. 1. to murder by surprise or 
secret assault, as an assassin does.

2. to harm or ruin (one's reputation, etc.).

Syn.-kill, murder, slay.

as-sas'sin-āte, n. an assassination or an assassin. [Obs.] as sae si nā'tion, n. an assassinating or being assassinated; the act of killing or murdering.

by surprise or secret assault. as sas si nā tor, n. one who assassinates; an assassin

as sas'sin bug, any of a number of related in sects having a curved, sucking beak and liv-ing chiefly on the blood of other insects.

as sas'sin ous, a. murderous. [Obs.] as sā'tion, n. [L. assare, to roast.] a roasting. [Obs.]

animal.

asses' bridge; the fifth proposition of the first book of Euclid, stating that the base angles of an isosceles triangle are equal; so called from the difficulty of learners in graspas sault', n. [ME. assaut; OFr. assaut, assaut, assaut, assaut, from L. ad, to, saltare, to leap.]

1. an attack or violent onset, as with blows

or weapons, whether by an individual, a company, or an army.

2. an attack by hostile words or measures;

as, an assault upon the constitution of a state; also, an attack by argument or appeal.

3. rape: a euphemism.

4. in law, an unlawful threat to harm another physically, or an unsuccessful attempt

to do so.

5. in military science, (a) a sudden attack upon a fortified place; (b) the concluding stage of an attack.

Syn.-attack, onset, onslaught, storm,

as sault', v.t. and v.i.; assaulted, pt., pp.; assaulting, ppr. to make an assault (upon). encounter, assail, engage, attack, in-Svn.vade, storm, charge.

as sgult' and bat'ter.y, in law, the carrying out of threatened physical harm or violence; beating or hitting a person.

as sault'er, n. one who assaults. or violently

as say, \*\*. 1. in metallurgy, the determination of the quantity of any particular metal in an ore or alloy; especially, the determination of the quantity of gold or silver in coin or bul-

2. the substance to be assayed.
3. in law, an examination of weights and measures by a standard: now historical.
4. trial; effort; attempt. [Obs.]
5. ascertained purity or value. [Obs.]
Pearls and precious stones of great assay.

6. an examination or testing, as of quality,

fitness, etc.

as-aāy', v.t.; assayed, pt., pp.; assaying, ppr.

[ME. assayen; OFr. asaier, essaier, to try, from LL. exagium, a weighing out, from L from LL. exagism. a weighing out, from L. exigere, to weigh try; ex, Gut, and agere, to drive.]

1. to make an assay of; test; analyze.

2. to attempt; to try. [Obs.]

as aāy', v.i. 1. to attempt, try, or endeavor.

[Obs.]

2. to be shown by analysis to contain a specified proportion of some precious metal; as, this ore assays high in gold.

as eāy'à ble, a. capable of being assayed.

as sāy' bal'ance, a balance used in the process of assaying.

of assaying.
as say'er, n. one who assays.
as say' fur'nace, a furnace used in the proc-

as-sāy' fūr'nāce, a furnace used in the proc-ess of assaying, n. the determination of the amount of any particular metal in an ore or alloy, asse, n. in zoology, a small African fox. Vulpes cama, yielding a valuable fur. ass ear, an old name for the common comfrey. Symphytum officinale. as securition, n. assurance; a making sure.

see-cure', v.t. [L. ad. to, and securus, secure.] to make sure. [Obs.]

as-se-çū'tion, n. [L. assequi, to follow after.]
an obtaining or acquiring. [Obs.]
as'se-gai, n. see assagai.

as-sem'blage, n. 1. a collection of individuals or of particular things; as, an assemblage of men of note.

2. the act of assembling or the state of heing assembled.

3. the act of fitting together, as parts of a machine; also, a whole that results from such

fitting together Syn .- collection, concourse, convention.

as sem'blance, n. 1. representation; semblance. [Obs.] assembling. [Obs.]

as-sem'ble, v.t.; assembled, pt., pp.; assembling, ppr. [ME. assemblen; OFr. assembler. asembler, to assemble, from L. ad. to, and simul, together.]

1. to collect (a number of persons or things) into one place or body; to bring or call together; to convene; to congregate; as. to assemble an army corps.

2. to put together the parts of; as, to assemble a binycle

ble a bicycle.
Syn.—collect, convene, convoke, gather.

muster. as sem'ble, v.i. to meet or come together; to convene, as a number of individuals; as. Congress assembles every winter.
as sem'ble, v.i. to compare. [Obs.]
as sem'bler, n. one who assembles.

as sem'bling, n. 1. a collection or meeting together

2. the bringing or fitting together of the different parts of an article or machine, as a different parts of an article or machine, as a bicycle, gun, or sewing machine.

orcycie, gun, or sewing machine.

as-sem/bly, n. [ME. assemble, assemblaye; OFr.
assemblee, an assembly.]

1. an assembling or being assembled.
2. a company or collection of individuals in
the same place, usually for the same purpose; an assemblage.

an assemblage.

3. in a civil or political sense, a meeting convened by authority for the transaction of public business; as, the assemblys of the Roman people; the assembly of the statesgeneral, and the national assembly in France.

4. [A-] in some States of the United States, the legislature, or the lower branch of it.

5. in the Presbyterian Church, a convocation convention or council of ministers and

5. In the Prespyterian Church, a Convoca-tion, convention, or council of ministers and ruling elders, delegated from each presbytery: in full, General Assembly.

6. in military tactics, the drumbeat or bugle call summoning a body of troops to

form ranks.

use, bull, brute, turn, up; cry, myth; çat, machine, ace, church, chord; gem, afiger, (Fr.) bon, as; this, thin; azure